BRUHAT BANGALORE MAHANAGARA PALLIKE

Comparitive Statement (ERIL)

Name of Work: Modified Estimate for Improvements to Roads and Drains at Bhuvaneshwarinagara Cross Roads and Surrounding Area in Ward No. 06, Dasarahalli Village Limits.

name of Contractor : Sri K R Santhosh Kumar

Estimated Cost. 60.00 laksh

Tender Amount. 5880152.00

Work Order No. EE/BTP/BBMP/E-PMT/548/2013-14

Sl No	Description	Unit	As per Sanction Estimate			As per Tender Items			As per Actual Modified Est			Modified Tender Items			Remaks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum	1073.55	90.72	**97392.46**	1073.55	89.81	**96415.53**	1073.55	89.81	**96415.53**	1073.55	89.81	**96415.53**	
2	Removing B.S. Slab Drain and stacking etc complete as per specifications and directions of engineer in charge of the work	Sqm	256.50	50.11	**12853.22**	256.50	49.61	**12724.97**	256.50	49.61	**12724.97**	256.50	49.61	**12724.97**	
3	Refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm	256.50	70.04	**17965.26**	256.50	69.34	**17785.71**	256.50	69.34	**17785.71**	256.50	69.34	**17785.71**	
4	Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	119.85	4290.84	**514257.17**	119.85	4247.93	**509114.41**	119.85	4247.93	**509114.41**	119.85	4247.93	**509114.41**	

5	Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	21.06	4341.76	**91437.47**	21.06	4298.34	**90523.04**	21.06	4298.34	**90523.04**	21.06	4298.34	**90523.04**	
6	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	35.10	76.32	**2678.83**	35.10	75.56	**2652.16**	35.10	75.56	**2652.16**	35.10	75.56	**2652.16**	
7	Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	2.34	4690.50	**10975.77**	2.34	4643.60	**10866.02**	2.34	4643.60	**10866.02**	2.34	4643.60	**10866.02**	
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm	2532.15	271.08	**686415.22**	2532.15	268.37	**679553.10**	2532.15	268.37	**679553.10**	2532.15	268.37	**679553.10**	

9	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	316.58	5639.76	**1785435.22**	316.58	5583.36	**1767580.11**	316.58	5583.36	**1767580.11**	316.58	5583.36	**1767580.11**	
10	Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work	Qntl	253.26	7450.92	**1887020.00**	253.26	7376.41	**1868149.60**	253.26	7376.41	**1868149.60**	253.26	7376.41	**1868149.60**	
11	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	Sqm	1080.00	72.79	**78613.20**	1080.00	72.06	**77824.80**	1080.00	72.06	**77824.80**	1080.00	72.06	**77824.80**	

12	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	Cum	216.00	1121.04	**242144.64**	216.00	1109.83	**239723.28**	216.00	1109.83	**239723.28**	216.00	1109.83	**239723.28**	
13	Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	1080.00	10.53	**11372.40**	1080.00	10.42	**11253.60**	1080.00	10.42	**11253.60**	1080.00	10.42	**11253.60**	
14	Providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	Sqm	1080.00	142.07	**153435.60**	1080.00	140.65	**151902.00**	1080.00	140.65	**151902.00**	1080.00	140.65	**151902.00**	

15	Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen,** etc complete as per specifications and directions of engineer in charge of the work	Cum	27.00	9981.36	269496.72	27.00	9881.55	**266801.85**	27.00	9881.55	**266801.85**	27.00	9881.55	**266801.85**	
16	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per specifications and directions of engineer in charge of the work	Cum	1073.55	72.71	**78057.82**				1073.55	71.98	**77274.13**	1073.55	71.98	**77274.13**	
Total					**5939551.00**			**5802870.16**			**5880144.29**			**5880144.29**	

Note:

1 As per Lead Approved by Chief Engineer Yelahanka Zone wide Notesheet Para No. 9

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28/11/15
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560092